Title (en)

COAL-DERIVED SOLID HYDROCARBON PARTICLES

Title (de)

FESTE KOHLENWASSERSTOFFTEILCHEN AUS KOHLE

Title (fr)

PARTICULES D'HYDROCARBURES SOLIDES DÉRIVÉES DU CHARBON

Publication

EP 3538243 A1 20190918 (EN)

Application

EP 17869692 A 20171110

Priority

- US 201662421128 P 20161111
- US 2017061168 W 20171110

Abstract (en)

[origin: US2018134977A1] The coal-derived solid hydrocarbon particles are discrete particles of coal-derived carbonaceous matter having a particle size less than about 10 μm that are substantially free of inherent or entrained mineral matter. The particles of have an average particle size in the range from 1 μm to 8 μm. The particles of coal-derived carbonaceous matter are milled to a size approximately the same as a size of coal-derived mineral matter inherent in the coal source to release inherent coal-derived mineral matter particles such that the particles of carbonaceous matter and the particles of mineral matter are discrete and separable solid particles. Following separation, less than 1.5 wt. % discrete coal-derived mineral matter particles are associated with the discrete particles of coal-derived carbonaceous matter. Particles of coal-derived solid hydrocarbon matter are blended with a gaseous or liquid hydrocarbon fuel to form a two-phase hydrocarbon fuel feedstock.

IPC 8 full level

B01D 25/28 (2006.01); **B03D 1/02** (2006.01); **B03D 1/08** (2006.01); **B07C 5/12** (2006.01); **C10G 1/00** (2006.01); **C10L 1/32** (2006.01); **C10L 9/08** (2006.01)

CPC (source: EP RU US)

B01D 33/62 (2013.01 - RU); **B03D 1/02** (2013.01 - EP RU); **B03D 1/025** (2013.01 - EP); **B03D 1/08** (2013.01 - EP); **B03D 1/082** (2013.01 - RU); **B03D 1/10** (2013.01 - RU); **B07B 13/04** (2013.01 - RU); **C10G 73/36** (2013.01 - RU); **C10L 1/322** (2013.01 - EP RU US); **C10L 1/326** (2013.01 - EP RU US); **C10L 3/003** (2013.01 - EP US); **C10L 5/00** (2013.01 - US); **C10L 5/04** (2013.01 - EP US); **C10L 5/06** (2013.01 - US); **C10L 5/366** (2013.01 - EP US); **C10L 9/00** (2013.01 - RU); B03D 2201/005 (2013.01 - EP); B03D 2203/08 (2013.01 - EP); C10L 10/02 (2013.01 - US); C10L 10/06 (2013.01 - US); C10L 2230/22 (2013.01 - EP US); C10L 2250/06 (2013.01 - EP US); C10L 2290/24 (2013.01 - EP US); C10L 2290/28 (2013.01 - EP); C10L 2290/54 (2013.01 - EP US); C10L 2290/547 (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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